MOOG

Installation and Operation Instructions

Before attempting to connect or operate this product, please read these instructions completely.

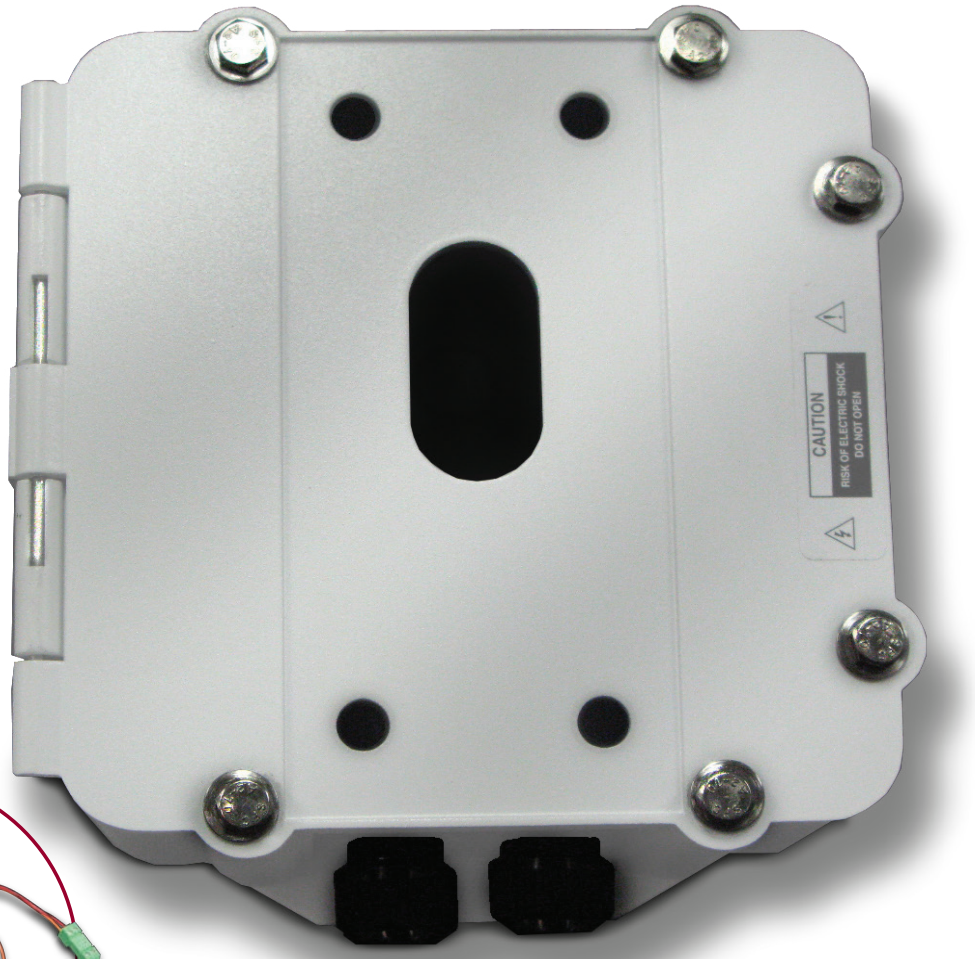
PB24BB-RS

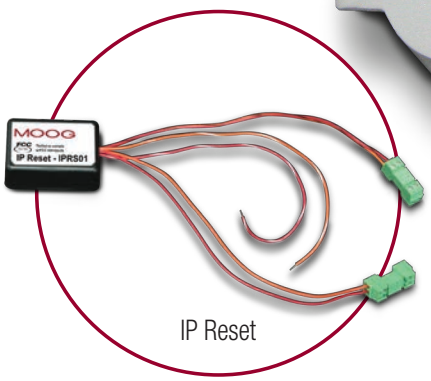
Battery Backup Multi-Functional Power Box with IP Reset

PB24BB-RS..... Rugged cast aluminum power box PB24 plus battery backup. Provides up to 25 minutes of extended power. Pole mounting clips included plus IP Reset

Installation Steps

1. Check the package contents
2. Select Operation Mode
3. Install Hardware
   a. Timed Reset Mode
   b. Intelligent Reset Mode
4. Read LED Operation instructions





IP Reset

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81-IN5418 111913

IMPORTANT SAFEGUARDS

1 Read these instructions.

2 Keep these instructions.

3 Heed all warnings

4 Follow all instructions.

5 Do not use this apparatus near water.

6 Clean only with damp cloth.

7 Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.

8 Cable Runs- All cable runs must be within permissible distance.

9 Mounting - This unit must be properly and securely mounted to a supporting structure capable of sustaining the weight of the unit.

Accordingly:

a. The installation should be made by a qualified installer.

b. The installation should be in compliance with local codes.

c. Care should be exercised to select suitable hardware to install the unit, taking into account both the composition of the mounting surface and the weight of the unit.

10 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

11 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

12 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

13 Only use attachment/ accessories specified by the manufacturer.

14 Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.

15 Unplug this apparatus during lighting storms or when unused for long periods of time.

16 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled of objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Be sure to periodically examine the unit and the supporting structure to make sure that the integrity of the installation is intact. Failure to comply with the foregoing could result in the unit separating from the support structure and falling, with resultant damages or injury to anyone or anything struck by the falling unit.

UNPACKING

Unpack carefully. Electronic components can be damaged if improperly handled or dropped. If an item appears to have been damaged in shipment, replace it properly in its carton and notify the shipper.

Be sure to save:

1 The shipping carton and packaging material. They are the safest material in which to make future shipments of the equipment.

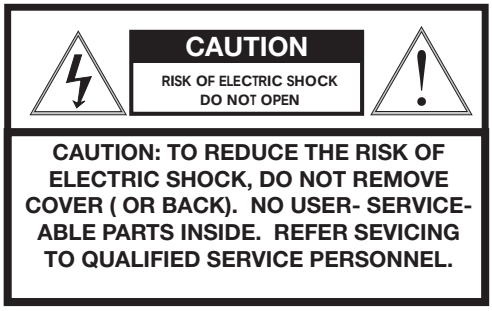
2 These Installation and Operating Instructions.

SERVICE

If technical support or service is needed, contact us at the following number:

TECHNICAL SUPPORT
AVAILABLE 24 HOURS
1 - 800 - 554 -1124

SAFETY PRECAUTIONS


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER- SERVICE-ABLE PARTS INSIDE. REFER SEVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with an arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of non-insulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk to persons.

Este símbolo se piensa para alertar al usuario a la presencia del “voltaje peligroso no-aislado” dentro del recinto de los productos que puede ser un riesgo de choque eléctrico.

Ce symbole est prévu pour alerter l’utilisateur à la presence “de la tension dangereuse” non-isolée dans la clôture de produits qui peut être un risque de choc électrique.

Dieses Symbol soll den Benutzer zum Vorhandensein der nicht-Isolier “Gefährdungsspannung” innerhalb der Produkteinschließung alarmieren die eine Gefahr des elektrischen Schlages sein kann.

Este símbolo é pretendido alertar o usuário à presença “di tensão perigosa non-isolada” dentro do cerco dos produtos que pode ser um risco de choque elétrico.

Questo simbolo è inteso per avvertire l’utente alla presenza “di tensione pericolosa” non-isolata all’interno della recinzione dei prodotti che può essere un rischio di scossa elettrica.

The exclamation point within an equilateral triangle is intended to alert the user to presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Este símbolo del punto del exclamation se piensa para alertar al usuario a la presencia de instrucciones importantes en la literatura que acompaña la aplicación.

Ce symbole de point d’exclamation est prévu pour alerter l’utilisateur à la presence des instructions importantes dans la littérature accompagnant l’appareil.

Dieses Ausruf Punktsymbol soll den Benutzer zum Vorhandensein de wichtigen Anweisungen in der Literatur alarmieren, die das Gerät begleitet.

Este símbolo do ponto do exclamation é pretendido alertar o usuário à presença de instruções importantes na literatura que acompanha o dispositivo.

Questo simbolo del punto del exclamaton è inteso per avvertire l’utente alla presenza delle istruzioni importanti nella letteratura che accompagna l'apparecchio.

MADE IN USA
BUY AMERICA COMPLIANT • COUNTRY OF ORIGIN U.S.A.

Product Warranty Registration

Register Your Products Online
www.moogS3.com/technical-support/product-registration

Moog values your patronage. We are solely committed to providing you with the highest quality products and superior customer service. With 3-Year and 5-Year warranties (depending on the product purchased) we stand behind every product we sell.

See full warranty details at www.moogS3.com/technical-support/warranty-plan/

Register your products today to receive the following benefits:

- Simple and Trouble-Free RMA process
- Product / software updates
- Special promotions
- Eliminate the need to archive purchase documents such as receipts, purchase orders, etc.

Limited Warranty for Moog Products

Moog - Decatur Operations, subsequently referred to as "Manufacturer," warrants these products to be free from defects in material or workmanship as follows:

PRODUCT CATEGORY	PARTS \ LABOR
All Enclosures and Electronics	Five (5) Years
Accessory Brackets	Five (5) Years
Controllers	Three (3) Years
Power Supplies / IR Illuminators	Three (3) Years
Poles / PolEvators™ / CamEvator	Three (3) Years
Warrior Series™ / Q-View™	Three (3) Years
SView Series™	Three (3) Years 6 months if used in auto scan / tour operation
DeputyDome™, NiteTrac™, Igloo Dome, PurgeDome™	Three (3) Years 6 months if used in auto scan / tour operation
EXO Series™ Dome and Fixed Camera Systems*	Three (3) Years 6 months if used in auto scan / tour operation
EXO Series™ GeminEye Visible and Thermal Camera Systems	One (1) Year

During the labor warranty period, to repair the Product, Purchaser will either return the defective product, freight prepaid, or deliver it to Manufacturer at Moog Decatur Operations, 2525 Park Central Boulevard, Decatur, Georgia, 30035. The Product to be repaired is to be returned in either its original carton or a similar package affording an equal degree of protection with a RMA # (Return Materials Authorization number) displayed on the outer box or packing slip. To obtain a RMA# you must contact our Technical Support Team at 800.554.1124, extension 101. Manufacturer will return the repaired product freight prepaid to Purchaser. Manufacturer is not obligated to provide Purchaser with a substitute unit during the warranty period or at any time. After the applicable warranty period, Purchaser must pay all labor and/or parts charges. The limited warranty stated in these product instructions is subject to all of the following terms and conditions.

TERMS AND CONDITIONS

1. NOTIFICATION OF CLAIMS: WARRANTY SERVICE: If Purchaser believes that the Product is defective in material or workmanship, then written notice with an explanation of the claim shall be given promptly by Purchaser to Manufacturer. All claims for warranty service must be made within the warranty period. If after investigation, Manufacturer determines the reported problem was not covered by the warranty, Purchaser shall pay Manufacturer for the cost of investigating the problem at its then prevailing per incident billable rate. No repair or replacement of any Product or part thereof shall extend the warranty period of the entire Product. The specific warranty on the repaired part only shall be in effect for a period of ninety (90) days following the repair or replacement of that part or the remaining period of the Product parts warranty, whichever is greater.

2. EXCLUSIVE REMEDY: ACCEPTANCE: Purchaser's exclusive remedy and Manufacturer's sole obligation is to supply (or pay for) all labor necessary to repair any Product found to be defective within the warranty period and to supply, at no extra charge, new or rebuilt replacements for defective parts.

3. EXCEPTIONS TO LIMITED WARRANTY: Manufacturer shall have no liability or obligation to Purchaser with respect to any Product requiring service during the warranty period which is subjected to any of the following: abuse, improper use, negligence, accident, or acts of God (i.e., hurricanes, earthquakes), modification, failure of the end-user to follow the directions outlined in the product instructions, failure of the end-user to follow the maintenance procedures recommended by the International Security Industry Organization, written in product instructions, or recommended in the service manual for the Product. Furthermore, Manufacturer shall have no liability where a schedule is specified for regular replacement or maintenance or cleaning of certain parts (based on usage) and the end-user has failed to follow such schedule; attempted repair by non-qualified personnel; operation of the Product outside of the published environmental and electrical parameters, or if such Product's original identification (trademark, serial number) markings have been defaced, altered, or removed. Manufacturer excludes from warranty coverage Products sold AS IS and/or WITH ALL FAULTS and excludes used Products which have not been sold by Manufacturer to the Purchaser. All software and accompanying documentation furnished with, or as part of the Product is furnished "AS IS" (i.e., without any warranty of any kind), except where expressly provided otherwise in any documentation or license agreement furnished with the Product. ANY COST ASSOCIATED WITH REMOVAL OF DEFECTIVE PRODUCT AND INSTALLATION OF REPLACEMENT PRODUCT IS NOT INCLUDED IN THIS WARRANTY.

4. PROOF OF PURCHASE: The Purchaser's dated bill of sale must be retained as evidence of the date of purchase and to establish warranty eligibility.

DISCLAIMER OF WARRANTY

EXCEPT FOR THE FOREGOING WARRANTIES, MANUFACTURER HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO ANY AND/OR ALL IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND/OR ANY WARRANTY WITH REGARD TO ANY CLAIM OF INFRINGEMENT THAT MAY BE PROVIDED IN SECTION 2-312(3) OF THE UNIFORM COMMERCIAL CODE AND/OR IN ANY OTHER COMPARABLE STATE STATUTE. MANUFACTURER HEREBY DISCLAIMS ANY REPRESENTATIONS OR WARRANTY THAT THE PRODUCT IS COMPATIBLE WITH ANY COMBINATION OF NON-MANUFACTURER PRODUCTS OR NON-MANUFACTURER RECOMMENDED PRODUCTS PURCHASER MAY CHOOSE TO CONNECT TO THE PRODUCT.

LIMITATION OF LIABILITY

THE LIABILITY OF Manufacturer, IF ANY, AND PURCHASER'S SOLE AND EXCLUSIVE REMEDY FOR DAMAGES FOR ANY CLAIM OF ANY KIND WHATSOEVER, REGARDLESS OF THE LEGAL THEORY AND WHETHER ARISING IN TORT OR CONTRACT, SHALL NOT BE GREATER THAN THE ACTUAL PURCHASE PRICE OF THE PRODUCT WITH RESPECT TO WHICH SUCH CLAIM IS MADE. IN NO EVENT SHALL MANUFACTURER BE LIABLE TO PURCHASER FOR ANY SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY KIND INCLUDING, BUT NOT LIMITED TO, COMPENSATION, REPLACEMENT LABOR COSTS, REIMBURSEMENT, OR DAMAGES ON ACCOUNT OF THE LOSS OF PRESENT OR PROSPECTIVE PROFITS OR FOR ANY OTHER REASON WHATSOEVER.

Electrical Specifications

PB24BB

English

Input Power: 120 VAC/240VAC 1A/.5A Power Consumption: 1Amp (120 Watts) at 120 VAC Power Output: 84 VA at 24 VAC 52 Watts Heater/Blower 32 Watts Camera Power

An all pole main switch with a contact of at least 3mm in each pole shall be incorporated in the electrical installation of the building.

Tools Required: .150" Flathead Screwdriver 7/16 Wrench or Socket 9/16 Wrench or Socket

Español

Energía De Entrada: 120 Consumo De Energía de VAC/240VAC 1A/.5A: 1Amp (120 vatios) en 120 VAC de salida de energía: VA 84 en 24 VAC 52 vatios de Heater/Blower 32 vatios de energía de la cámara fotográfica

Todo el interruptor principal del poste con un contacto de por lo menos 3m m en cada poste será incorporado en la instalación eléctrica del edificio.

Herramientas Requeridas: destornillador de cabeza llana del 150"7/16 llave de la llave o del zócalo 9/16 o zócalo

Français

Puissance D'entrée : 120 Puissance D'Énergie de VAC/240VAC 1A/.5A : 1Amp (120 watts) à 120 VCA de rendement de puissance : VA 84 à 24 VCA 52 watts de Heater/Blower 32 watts de puissance d'appareil-photo

Un tout le commutateur principal de poteau avec un contact au moins de 3mm dans chaque poteau sera incorporé dans l'installation électrique du bâtiment.

Outils Requis : tournevis à tête plate de 150"7/16 clé de clé ou de douille 9/16 ou douille

Deutsch

Zugeführte Energie: 120 VAC/240VAC 1A/.5A Leistungsaufnahme: 1Amp (120 Watt) bei 120 VAC Abgabeleistung: VA 84 bei 24 VAC 52 Watt Heater/Blower 32 Watt Kamera-Energie

Ein aller Pfostenhauptschalter mit einem Kontakt von 3mm mindestens in jedem Pfosten wird in der elektrischen Installation des Gebäudes enthalten.

Werkzeuge Erforderten: 150"Flachkopfschraubenzieher 7/16 Schlüssel-oder Einfaßung 9/16 Schlüssel oder Einfaßung

Portuguese

Poder De Entrada: 120 Consumo De Potência de VAC/240VAC 1A/.5A: 1Amp (120 watts) em 120 VAC de saída de poder: VA 84 em 24 VAC 52 watts de Heater/Blower 32 watts de poder da câmera

Todo o interruptor principal do pólo com um contato ao menos de 3mm em cada pólo será incorporado na instalação elétrica do edifício.

As Ferramentas Requereram: chave de fenda flathead do 150"7/16 de chave da chave ou do soquete 9/16 ou soquete

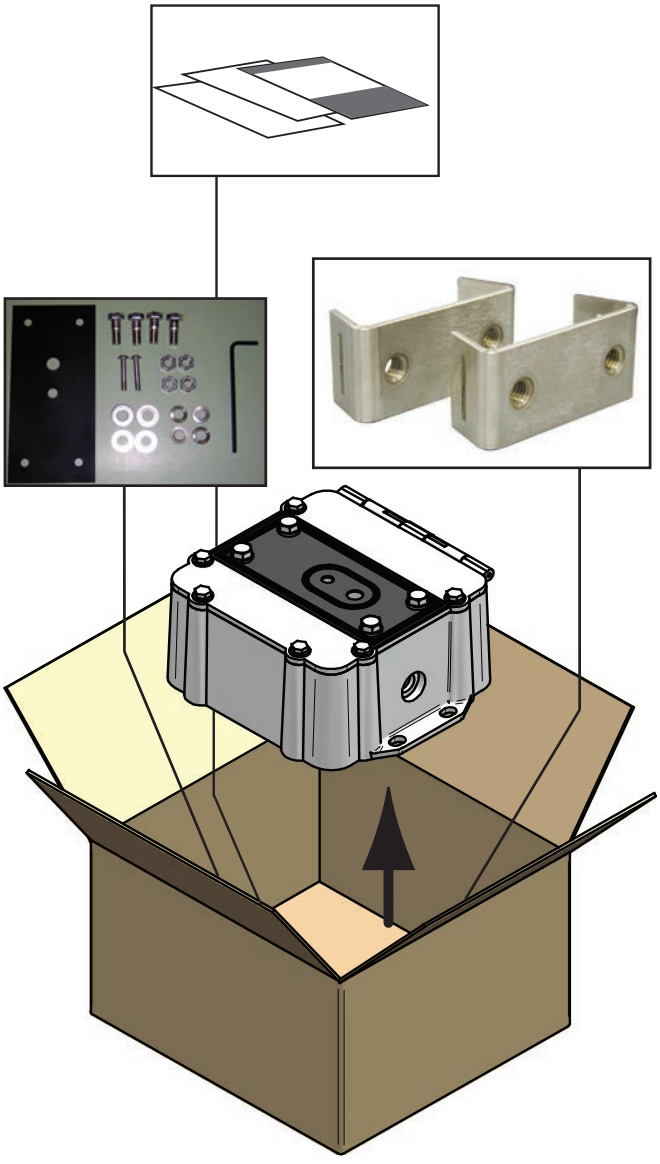
Italiano

Alimentazione in ingresso Di Entrata: 120 Assorbimento di corrente Di energia di VAC/240VAC 1A/.5A: 1Amp (120 watt) a 120 VCA di uscita di alimentazione: VA 84 a 24 VCA 52 watt di Heater/Blower 32 watt di alimentazione della macchina fotografica

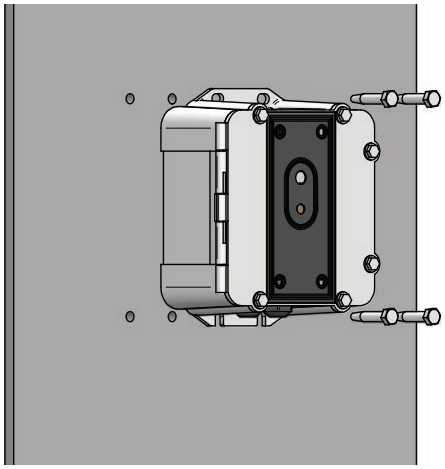
Tutto l'interruttore principale del palo con un contatto almeno di 3mm in ogni palo sarà compreso nell'installazione elettrica della costruzione.

Attrezzi Richiesti: cacciavite a testa piatta del 150"7/16 di chiave dallo zoccolo o dalla chiave 9/16 o zoccolo

Contents of Box



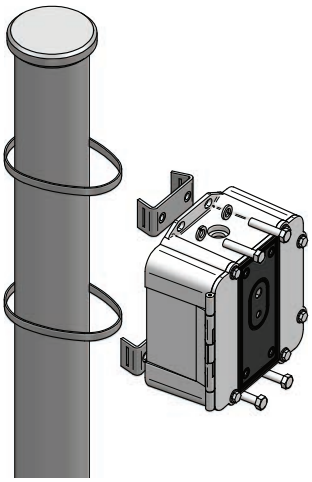
1



Wall Mounting: Attach unit securely with (4) 3/8" or 8mm hardware (not supplied).

- La pared que monta la caja de la energía es posible, pero el hardware no es incluido.
- Le mur montant la boîte de puissance est possible, mais le matériel n'est pas inclus.
- Die Wand, die den Energie Kasten anbringt, ist möglich, aber die Kleinteile sind nicht enthalten.
- A parede que monta a caixa do poder é possível, mas a ferragem não é incluída.
- La parete che monta la scatola di alimentazione è possibile, ma i fissaggi non sono inclusi.

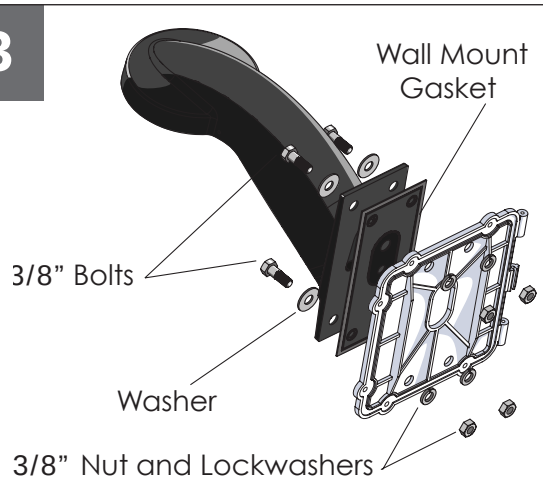
2



The power box may be pole mounted with the pole support clips.

- Ésta es la plantilla del montaje para la caja de la energía.
- C'est le calibre de support pour la boîte de puissance.
- Dieses ist die Montageschablone für den Energie Kasten.
- Este é o molde da montagem para a caixa do poder.
- Ciò è la mascherina del montaggio per la scatola di alimentazione.

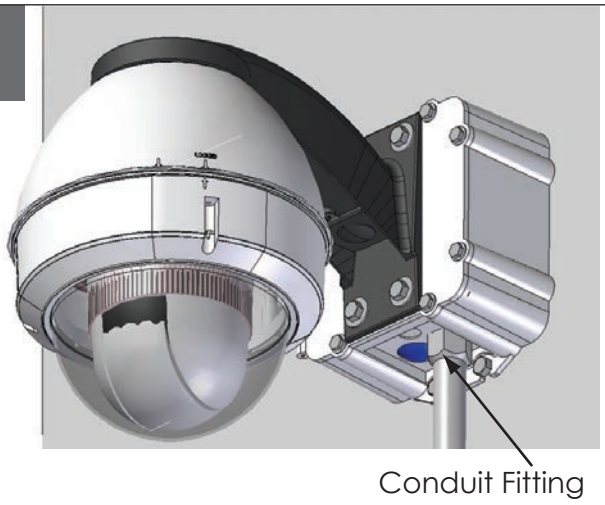
3



The wall mount bracket must be attached using the gasket as shown.

- El soporte del montaje de la pared se debe unir usando la junta según lo demostrado.
- La parenthèse de bâti de mur doit être jointe utilisant la garniture comme montrée.
- Der Wandeinfassung Haltewinkel muß mit der Dichtung angebracht werden, wie gezeigt worden.
- O suporte da montagem da parede deve ser unido usando a gaxeta como mostrado.
- La staffa del supporto della parete deve essere fissata per mezzo della guarnizione come indicata.

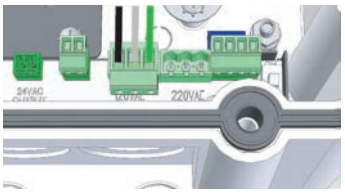
4



This is the assembled unit with the housing and conduit.

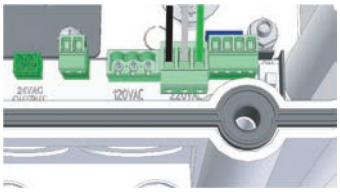
- El soporte del montaje de la pared se debe unir usando la junta según lo demostrado.
- La parenthèse de bâti de mur doit être jointe utilisant la garniture comme montrée.
- Der Wandeinfassung Haltewinkel muß mit der Dichtung angebracht werden, wie gezeigt worden.
- O suporte da montagem da parede deve ser unido usando a gaxeta como mostrado.
- La staffa del supporto della parete deve essere fissata per mezzo della guarnizione come indicata.

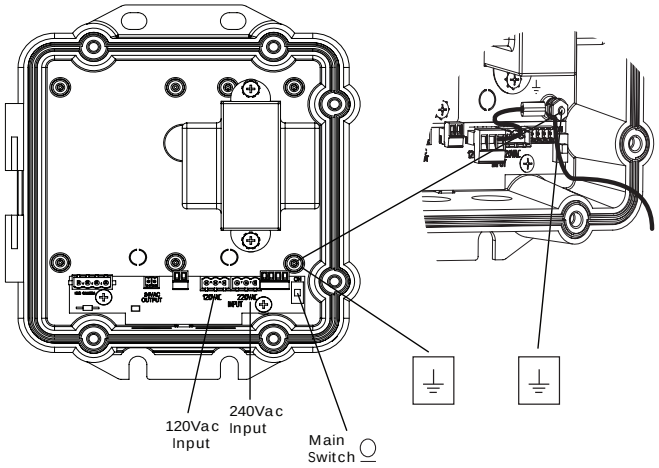
INPUT: (120VAC or 240VAC)



110-120VAC INPUT

220-240VAC INPUT



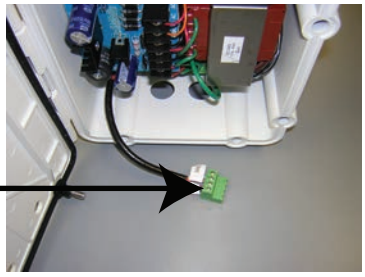


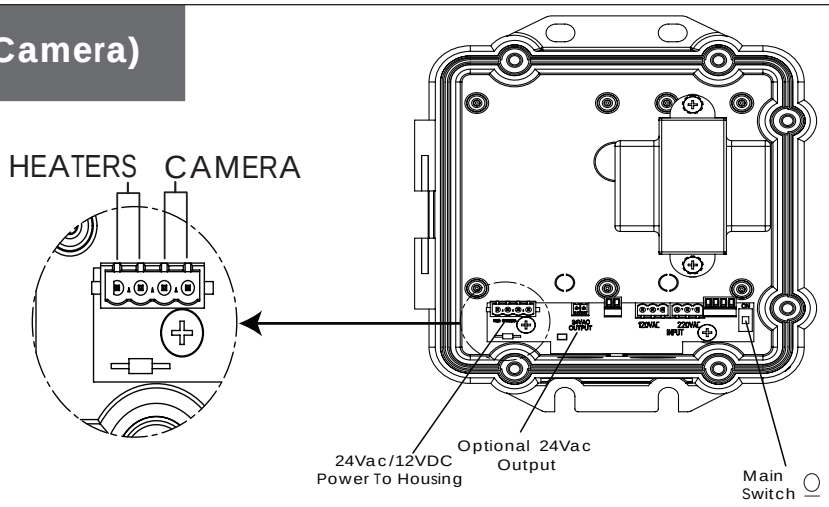
Line (L) and Neutral (N) wires should be connected as marked on the board and plugged into the corresponding voltage for the input single phase.

- Los alambres de la línea (l) y del hilo neutro (n) se deben conectar según lo marcados en el tablero y tapados en el voltaje correspondiente para la monofásico de la entrada.
- Des fils de la ligne (l) et du neutre (n) devraient être reliés comme marqué sur le conseil et branché à la tension correspondante pour le monophasé d'entrée.
- Linie (L) und des Neutralen (N) Leitungen sollten angeschlossen werden, wie auf dem Brett gekennzeichnet worden und in die entsprechende Spannung für das Eingang einphasige verstopft.
- Os fios da linha (L) e do ponto morto (N) devem ser conectados como marcados na placa e plugged na tensão correspondente para a fase monofásica da entrada.
- I legare della linea (l) e del neutrale (n) dovrebbero essere collegati come contrassegnato sul bordo ed inserito la tensione corrispondente per la monofase dell'input.

OUTPUT: 24VAC (Heater)/12DC (Camera)

Connect Housing Power





Internal resettable fuses are supplied for the main 24VAC output lines. Do not connect heaters to camera output. The PB24 is not designed for 3 phase or 208V systems.

- **Los fusibles restaurables internos se proveen para las líneas de salida principales 24VAC. No conecte los calentadores con la salida de la cámara fotográfica. El PB24 no se diseña para 3 fases o sistemas 208V.**
- **Des fusibles réglables internes sont fournis pour les lignes de la sortie 24VAC principales. Ne reliez pas les réchauffeurs au rendement d'appareil-photo. Le PB24 n'est pas conçu pour 3 phases ou systèmes 208V.**
- **Interne rückstellbare Sicherungen werden für die Haupt-24VAC Ertragskurven geliefert. Schließen Sie Heizungen nicht an Kameraausgang an. Das PB24 ist nicht für 3 Phase oder Systeme 208V bestimmt.**
- **Os fusíveis resettable internos são fornecidos para as linhas de saída 24VAC principais. Não conecte calefatores à saída da câmera. O PB24 não é projetado para 3 fases ou sistemas 208V.**
- **I fusibili resettable interni sono forniti per le linee di uscita principali 24VAC. Non colleghi i riscaldatori all'uscita della macchina fotografica. Il PB24 non è progettato per 3 fase o sistemi 208V.**

Operating Modes

The IP Reset operates in one of two modes, Intelligent Reset Mode and Timed Reset Mode. IP Reset automatically detects the operating mode by monitoring the I/O Detect input. If IP Reset detects a change in the I/O Detect input, it will enter the Intelligent Reset mode. Otherwise, IP Reset will remain in Timed Reset mode. You can choose to use Timed Mode by twisting the I/O Detect wires together and securing them with the wire nut.

Intelligent Reset Mode

The Intelligent Reset Mode monitors a relay output on the device being protected. The relay output on the IP device is commanded to toggle at a predetermined interval using IP Reset Manager Software or other network software designed to support IP Reset. When IP Reset detects the loss of the relay toggle, after a predetermined detection period, it power restarts the protected device. Generally, a power reset will restore the device to proper operation. After 2 failed attempts to restore the device's operation, IP Reset will re-start the protected device once every four hours (fault detection mode).

Timed Reset Mode

The Timed Reset Mode, simply cycles power on the protected device every 12 or 24 hours depending upon the model ordered. The IP Reset resets the protected device every 12 hours. The IP Reset resets the protected device every 24 hours. When used in Timed Reset mode, IP Reset connects directly in line with the device's power, does not use the I/O Detect Cable and does not require any remote commanding software.

NOTE:

If Timed Reset Mode is used on a PTZ camera, the camera will typically reset to its home position upon reset. For this reason, we recommend using Intelligent Reset Mode whenever possible for PTZ cameras.

Output Relay Configuration and Connections

Output Relay Configuration

The relay output configurations vary based on the manufactures design. Because of these variations, the IP Reset I/O Detect input needs to operate in one of three ways. Refer to your camera user manual for more information regarding the output relay configuration of your camera.

Dry Contact

The first and most common method requires the IP Reset to supply current to the dry contacts of a relay. This configuration is shown in Figure 5.

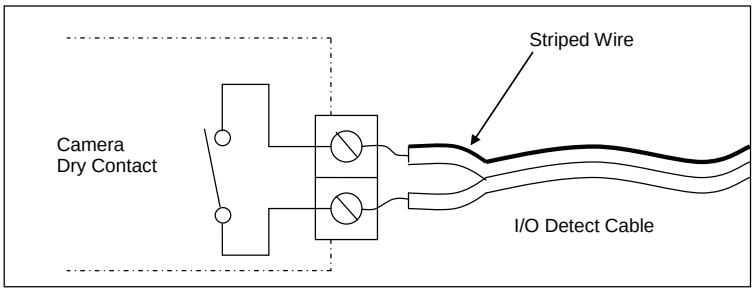


Figure 5: Dry Contact Relay I/O Detect Connection

Passive Solid-State

The second method is similar, requiring the IP Reset to supply current to an open collector output transistor. This configuration is shown in Figure 6.

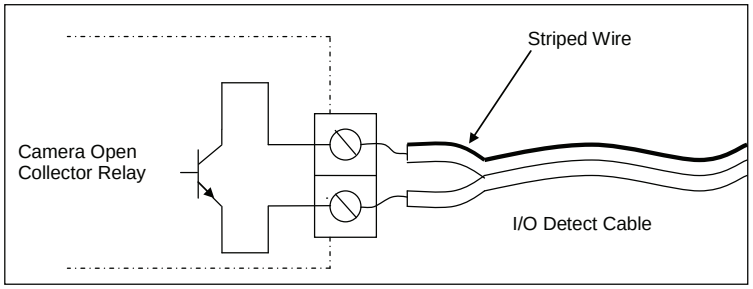


Figure 6. Passive Solid-State Relay I/O Detect Connection

Active Solid-State

The third and least common method is the emitter follower where the camera output supplies the current used for detection. In this configuration is shown in Figure 7.

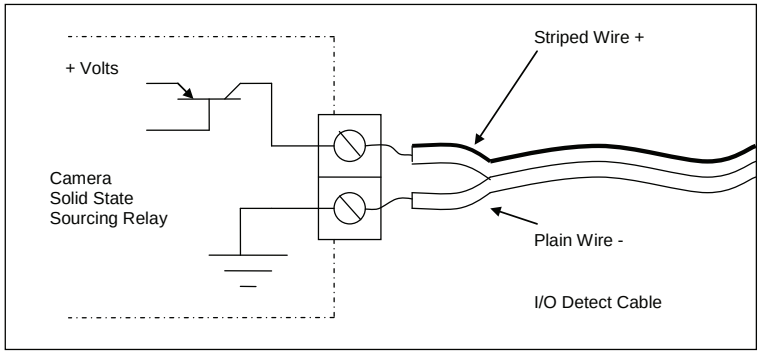


Figure 7: Active Solid-State Relay I/O Detect Connection

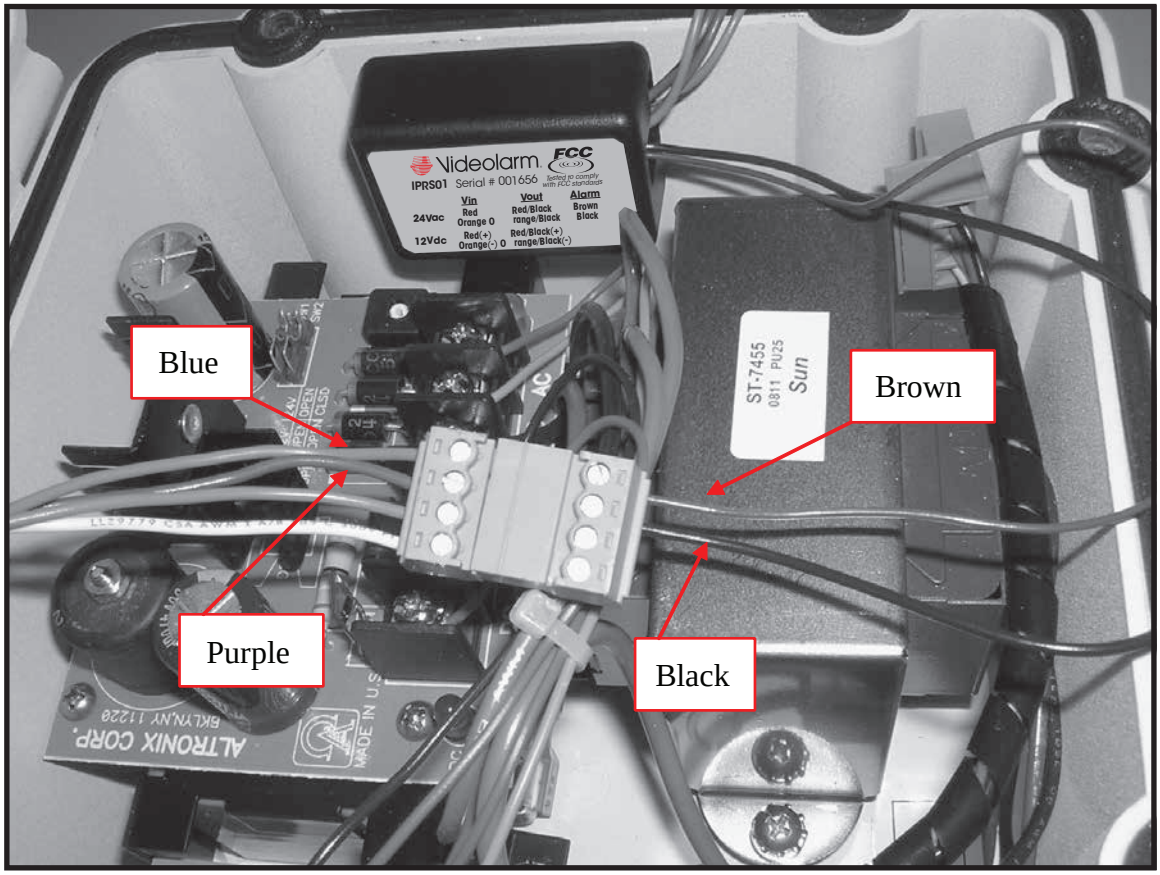
Hardware Installation

1. Locate your camera in the Camera Compatibility Chart (Appendix A). If your camera is not listed, please contact Moog at (800)-554-1124.
2. Connect the striped I/O Detect wire to the I/O terminal specified for your device.
3. Connect the plain (no stripe) I/O Detect wire to the I/O terminal specified for your device.
4. Connect the power output pin from the IP Reset to the Power input on your device.
5. Connect the power from the transformer to the power input in the IP Reset.
6. Add your device's configuration to the IP Reset Manager Software or Network video recording (NVR) software.

Note 1: Connection polarity MUST be observed for all devices.
Note 2: If the input connections need to be modified, the striped wire is plus VDC and the solid wire is ground (0 VDC).

IP Reset power box PB24BBRS

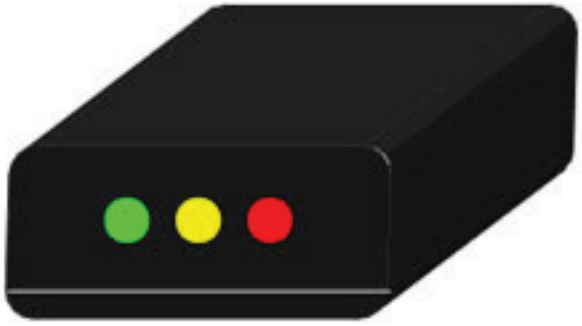
Attach the brown and black wire to the blue and purple wire of the dome. Inside the dome, attach the purple and blue wire to the alarm output of the camera.



Hardware Installation (cont.)

IP Reset® LED Operation

LED Operation



Green LED – Device Power Indicator
- ON : Power On to Device
- OFF : Power Off to Device

Yellow LED – Communication/Signal Status
- Timed Mode : Flashes every second
- Intelligent Mode : Flashes every 90 Seconds (On = input High, Off = input Low)

Red LED – Operation Mode Indicator
- ON : Intelligent Mode, device operating as expected
- OFF : Timed Mode
- Flashing : Intelligent Mode, device fault detected

IP Reset Software

To download a copy of the IP Reset software please do the following.

- go to www.moogS3.com
- Click on “Technical Support” button.
- Click on “Setup Tools”
- Click on “IP Reset Installation Software”
- Once Program has downloaded, run program.

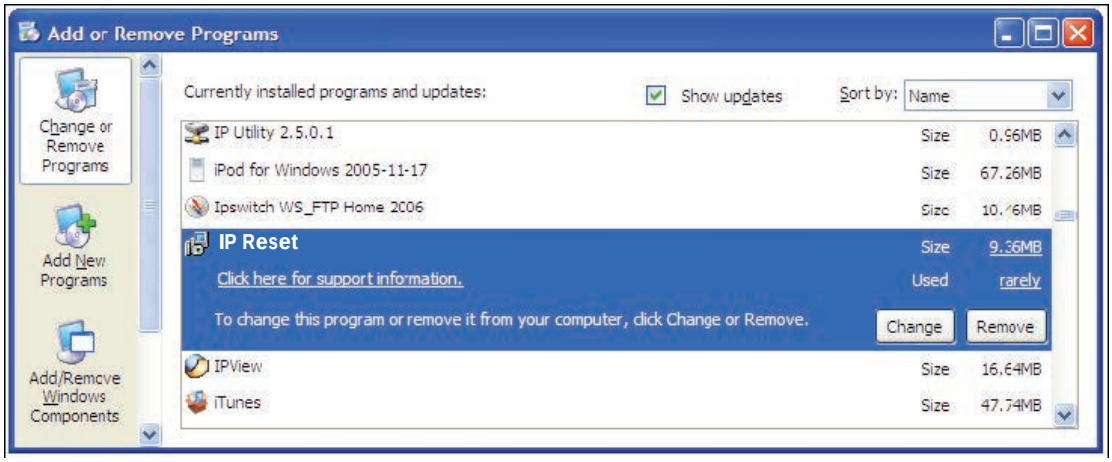
Software Installation (For a windows based PC)

If there is a preexisting version of the IP Reset Manager Software on your computer go to "**Add/Remove Programs** "from the MS Windows Control Panel and remove it before beginning a new software installation.

To remove a preexisting IP Reset Manager Installation, go to the Windows "Control Panel" and click on the "**Add or Remove Programs**" software icon. After a few seconds the following window will appear:

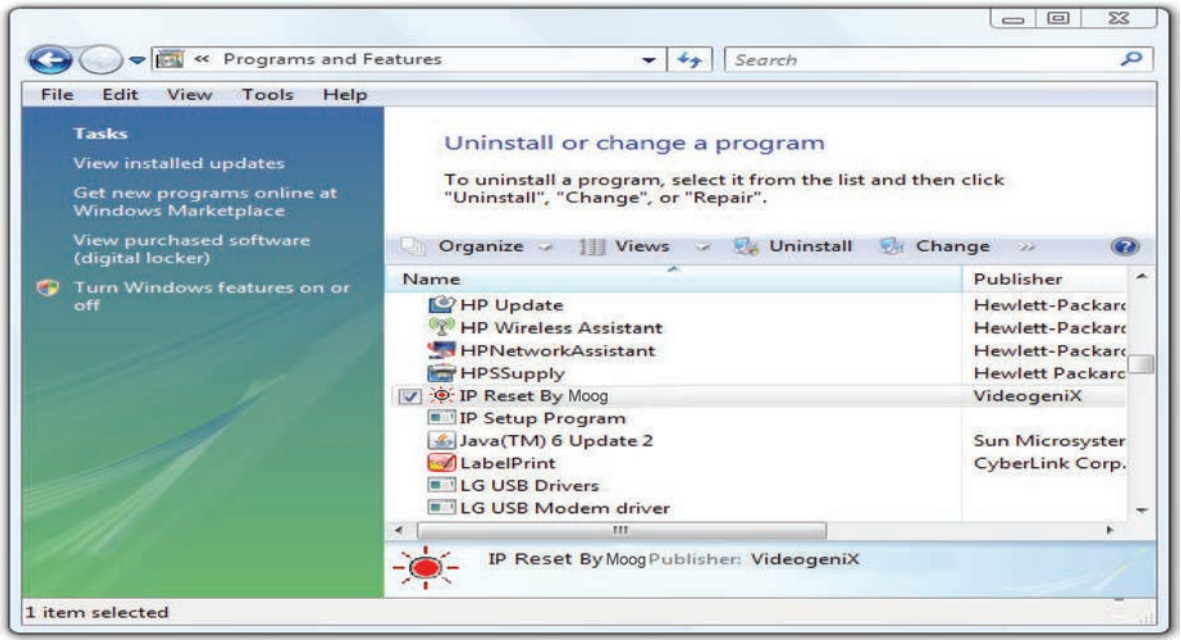
From the "Add or Remove Programs" menu below in Windows XP, select the program "IP Reset". Click on the "**Remove**" button (See screen shot below)

In Windows XP/XP PRO


Add or Remove Programs
Change or Remove Programs
Add New Programs
Add/Remove Windows Components
Currently installed programs and updates:
Show updates
Sort by: Name
IP Utility 2.5.0.1 Size 0.96MB
iPod for Windows 2005-11-17 Size 67.26MB
Ipswitch WS_FTP Home 2006 Size 10.76MB
IP Reset Size 9.36MB
Click here for support information. Used rarely
To change this program or remove it from your computer, click Change or Remove.
Change
Remove
IPView Size 16.64MB
iTunes Size 47.74MB

From the "Uninstall or change a program" menu in Windows Vista, double click on the "IP Reset by Moog" application.

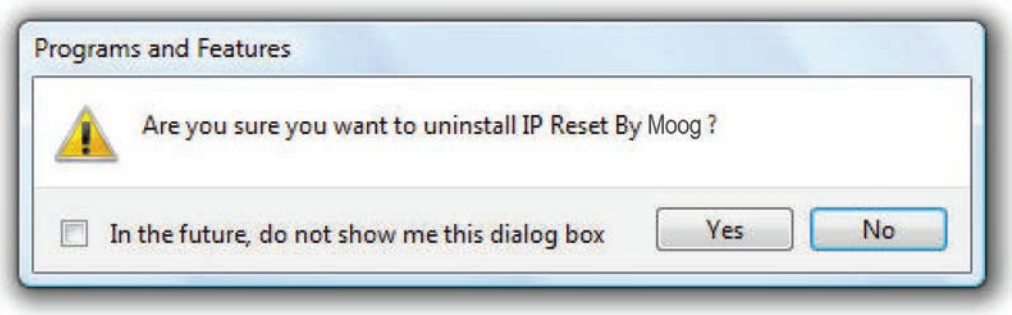
In Windows Vista


Programs and Features
Search
File Edit View Tools Help
Tasks
View installed updates
Get new programs online at Windows Marketplace
View purchased software (digital locker)
Turn Windows features on or off
Uninstall or change a program
To uninstall a program, select it from the list and then click "Uninstall", "Change", or "Repair".
Organize Views Uninstall Change
Name Publisher
HP Update Hewlett-Packard
HP Wireless Assistant Hewlett-Packard
HPNetworkAssistant Hewlett-Packard
HPSSupply Hewlett Packard
IP Reset By Moog VideogeniX
IP Setup Program
Java(TM) 6 Update 2 Sun Microsyster
LabelPrint CyberLink Corp.
LG USB Drivers
LG USB Modem driver
IP Reset By Moog Publisher: VideogeniX
1 item selected

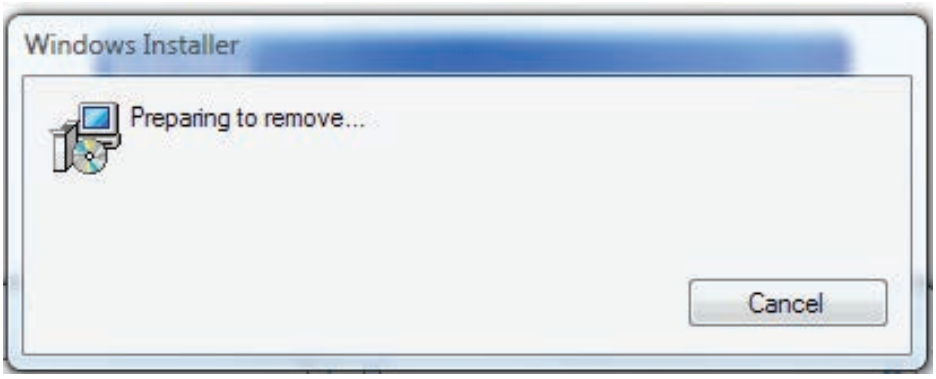
In response to the confirmation box "Add or Remove Programs" message. Click "Yes".

Software Installation (For a windows based PC continued)

In response to the confirmation box “Add or Remove Programs” message. Click “Yes”.

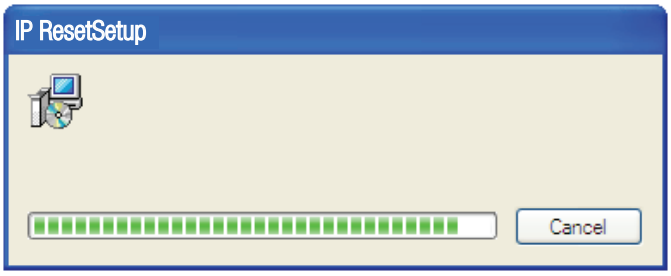

Programs and Features
Are you sure you want to uninstall IP Reset By Moog ?
In the future, do not show me this dialog box
Yes
No

A window may show up as follows: Let this window run to completion.



Following the above window if you are removing the application from a computer with the Windows Vista operating system, a window (not shown) may appear with the title “User Account Control”. It will say “An Unidentified Program Wants to Access Your Computer”, if this window appears you should click “**Allow”.**

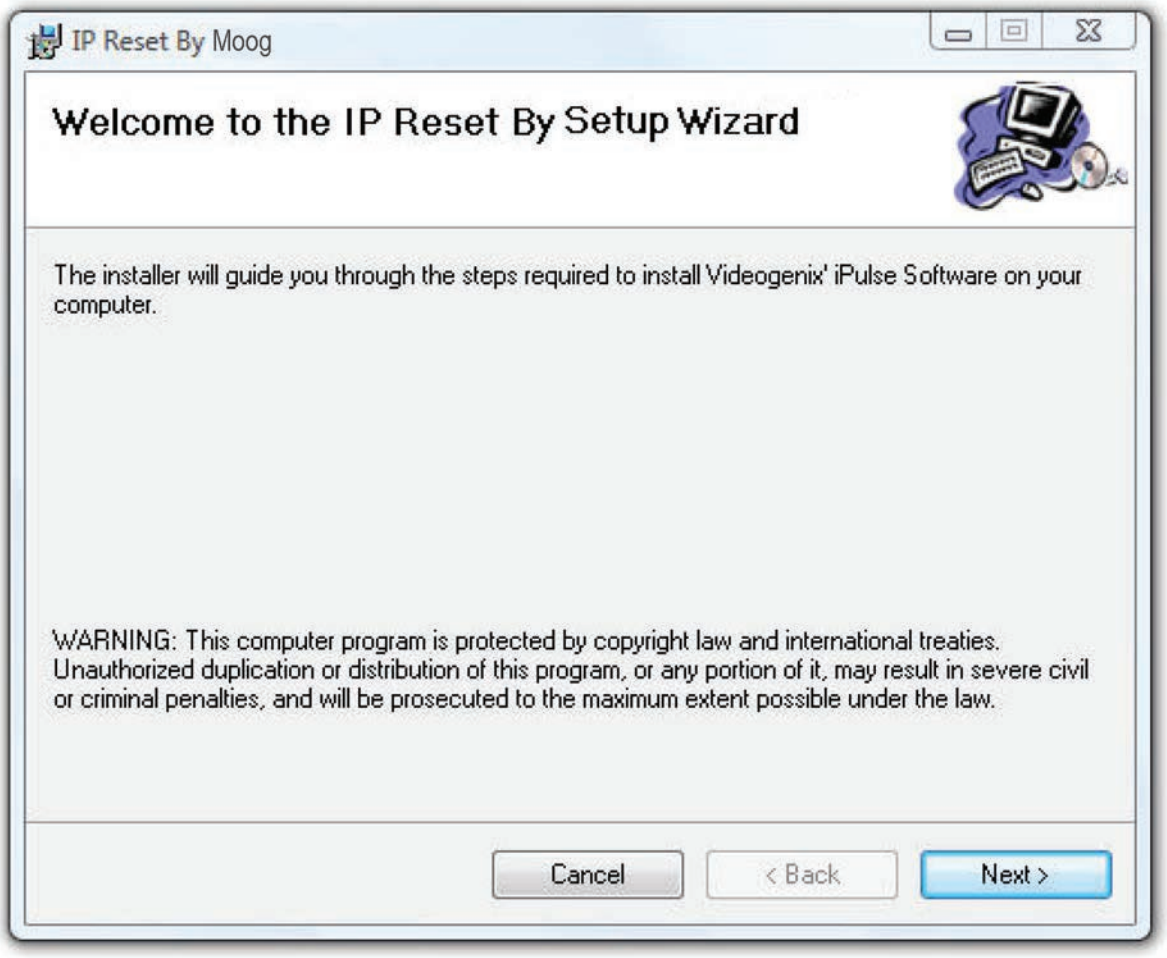
While the software is being removed you will see the following window



Wait till the above window goes away. At this point the IP Reset Manager Software will have been removed from your computer. You can now proceed with the software installation.

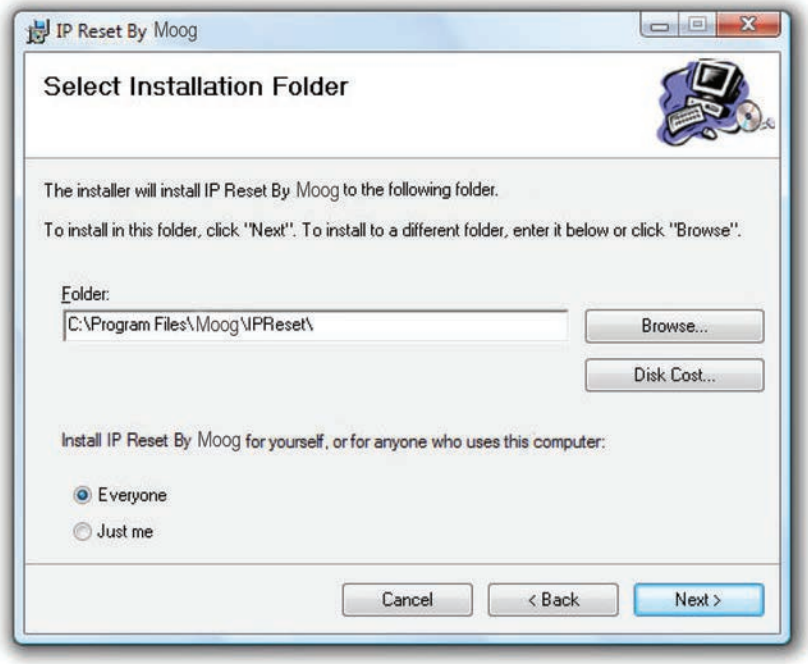
IP Reset Manager Software Installation Guide

After you have fully removed any preexisting installations of IP Reset Manager (see section “Removing IP Reset Software” from your system), run program and download from the Web Site.

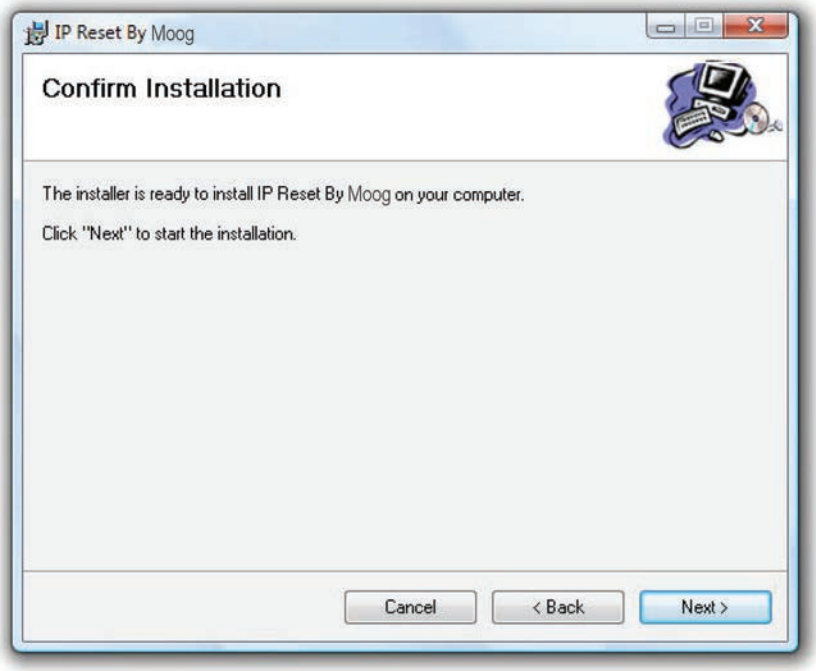

IP Reset By Moog
Welcome to the IP Reset By Setup Wizard
The installer will guide you through the steps required to install Videogenix' iPulse Software on your computer.
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel
< Back
Next >

IP Reset Manager Software Installation Guide Continued

A Window pops up that says “Select Installation Folder”, if the radio button “just me” is selected, (shown below) than change it to the radio button “**Everyone**”, as shown below

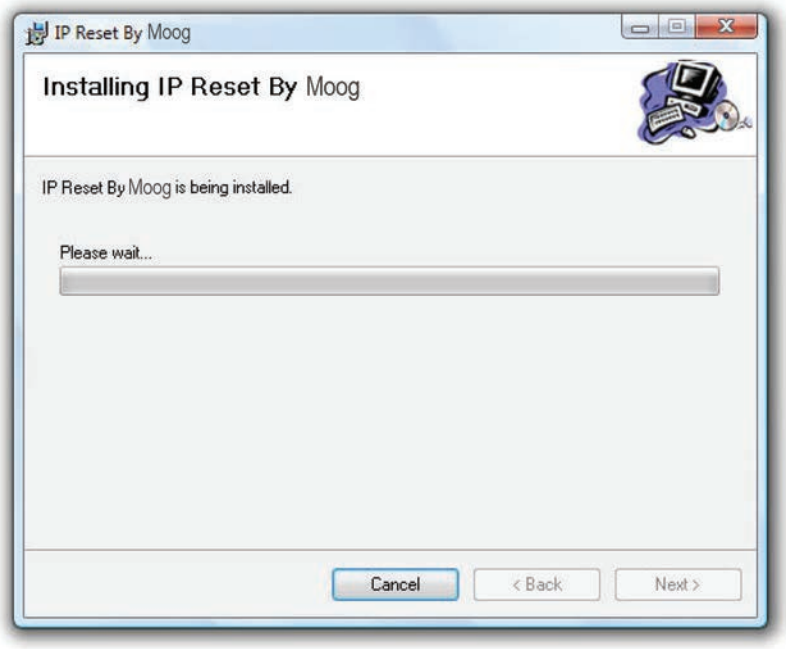

IP Reset By Moog
Select Installation Folder
The installer will install IP Reset By Moog to the following folder.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
C:\Program Files\Moog\IPReset\
Browse...
Disk Cost...
Install IP Reset By Moog for yourself, or for anyone who uses this computer:
Everyone
Just me
Cancel
< Back
Next >

A window will appear that says, “Confirm Installation”, Click “Next >” to confirm the installation!

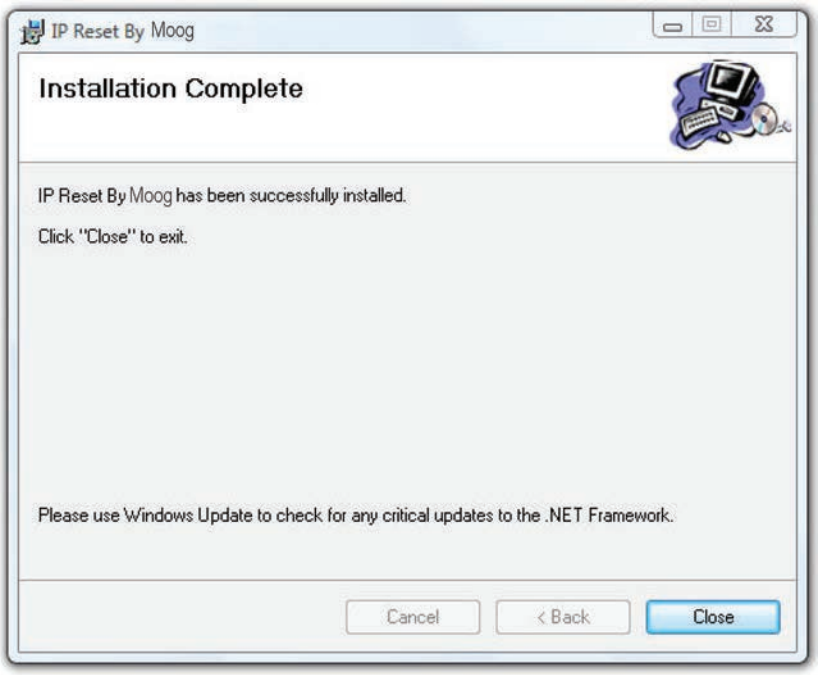

IP Reset By Moog
Confirm Installation
The installer is ready to install IP Reset By Moog on your computer.
Click "Next" to start the installation.
Cancel
< Back
Next >

IP Reset Manager Software Installation Guide Continued

Following the above window if you are installing the IP Reset application from a computer with the Windows Vista operating system, a window (not shown) may appear with the title “User Account Control”. It will say “An Unidentified Program Wants to Access Your Computer”, if this window appears you should click the “Allow” option.



Once installation completes the final window “Installation Complete” is launched, Click “Close” to complete the installation process.


IP Reset By Moog
Installation Complete
IP Reset By Moog has been successfully installed.
Click "Close" to exit.
Please use Windows Update to check for any critical updates to the .NET Framework.
Cancel
< Back
Close

Older machines may require downloading Microsoft Dot Net

If you are on an older windows machine that does not have a current version of Microsoft's Dot Net libraries, you may get a message from Windows requiring you to download the latest version of Microsoft .Net. At this point you will have log on to Microsoft at:

http://msdn.microsoft.com/en-us/netframework/default.aspx

And download the latest version of Microsoft's .Net libraries. After doing this double click on the downloaded files to install .Net. Once this has completed reboot your computer.

Create an Exception for IP Reset Software from Windows Firewall

Select "**Control Panel**" from the start Menu

Select "**Windows Firewall**"

Click on "**Allow a program through the Windows Firewall**"

Click on "**continue**" if asked are you sure you want to do this or the "User Account Control" window appears

Under the "**exceptions**" tab on the "Windows Firewall Settings" menu, click the "**Add Program** …" Button

Click on the "**Browse** …" button

Browse to the installation directory for the IP Reset software. Unless you changed this directory for the installation you should browse to "**C:\\Program Files\Moog\IP Reset**

Select "**IPResetConfigurator.exe**"

Click "**OK**"

Click "**OK**"

Exit the "Windows Firewall Settings"

Exit the "Windows Firewall"

Start the IP Reset Configuration Tool, "IPResetConfigurator.exe"

(For the following steps, you may get a message that says ".NET Framework" needs to be upgraded, In this case follow the instructions and upgrade ".NET" before continuing)

Restart your computer and the centralized IP Reset control service launches automatically. You will see the IP Reset configurator application on the users startup menu under the "All Programs" option. The name of the IP Reset configuration program is "IPResetConfiguratore.exe".

The application is also installed on the user's desktop and may be launched by clicking the IP Reset desktop Icon shown below:

Once launched the IP Reset Configuration application resides in the users "control tray" on the bottom right hand side of the screen. If the IP Reset application is enabled the "Sunburst" Icon will blink. If the application is disabled the icon stays solid. The user can then program IP Reset devices by using the mouse button and right clicking on this icon in the users tray.

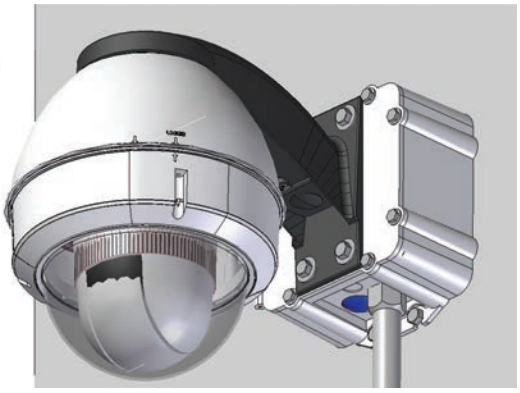
IP Reset Icon in users Control Tray (red starburst)

You are now ready to run the IP Reset Configuration Software. For usage information refer to application users document “IP ResetSoftwareUsersGuide.pdf”:

“**C:\Program Files\Moog\IP Reset\IP Reset_Software_User_s Guide.pdf**” is the application manual used to configure IP Reset devices from the computer. It describes installing the IP Reset devices to work with your cameras or other devices.

If you ever want to run the IP Reset software directly, browse to the IP Reset installation Directory, “**C:/Program Files/Moog/IP Reset**”, and double click on the file “**IPResetConfigurator.exe**”. This will force the configuration application to launch manually.

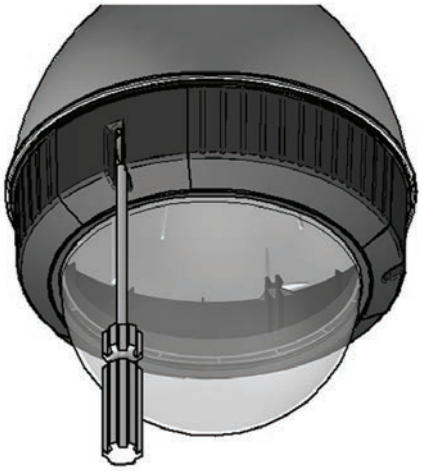
7



The battery backup system is designed to be used only with 12VDC Cameras.

- El sistema de reserva de batería se diseña para ser utilizado solamente con las cámaras fotográficas 12VDC.
- Le réseau de réserve de batterie est conçu pour être employé seulement avec les appareils-photo 12VDC.
- Das Batteriereservesystem ist entworfen, nur mit Kameras 12VDC benutzt zu werden.
- O sistema backup de bateria é projetado ser usado somente com as câmeras 12VDC.
- Il sistema di riserva della batteria è destinato per essere usato soltanto con le macchine fotografiche 12VDC.

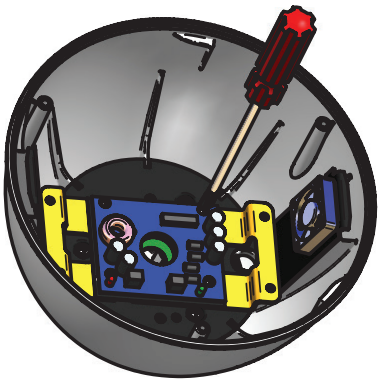
8



When used with the FDW75C2N or RHW75C2N remove Dome from housing.

- Cuando está utilizado con el FDW75C2N o el RHW75C2N quite la bóveda de la cubierta.
- Une fois utilisé avec le FDW75C2N ou le RHW75C2N enlevez le dôme du logement.
- Wenn Sie mit dem FDW75C2N oder dem RHW75C2N verwendet werden, entfernen Sie Haube vom Gehäuse.
- Quando usado com o FDW75C2N ou o RHW75C2N remova a abóbada da carcaça.
- Una volta usato con il FDW75C2N o il RHW75C2N rimuova la cupola da alloggiamento.

9



Remove 24VAC to 12VDC power supply.

- Quite 24VAC a la fuente de alimentación 12VDC.
- Enlevez 24VAC sur l'alimentation de l'énergie 12VDC.
- Entfernen Sie 24VAC zum 12VDC Spg.Versorgungsteil.
- Remova 24VAC à fonte de alimentação 12VDC.
- Rimuova 24VAC al gruppo di alimentazione 12VDC.

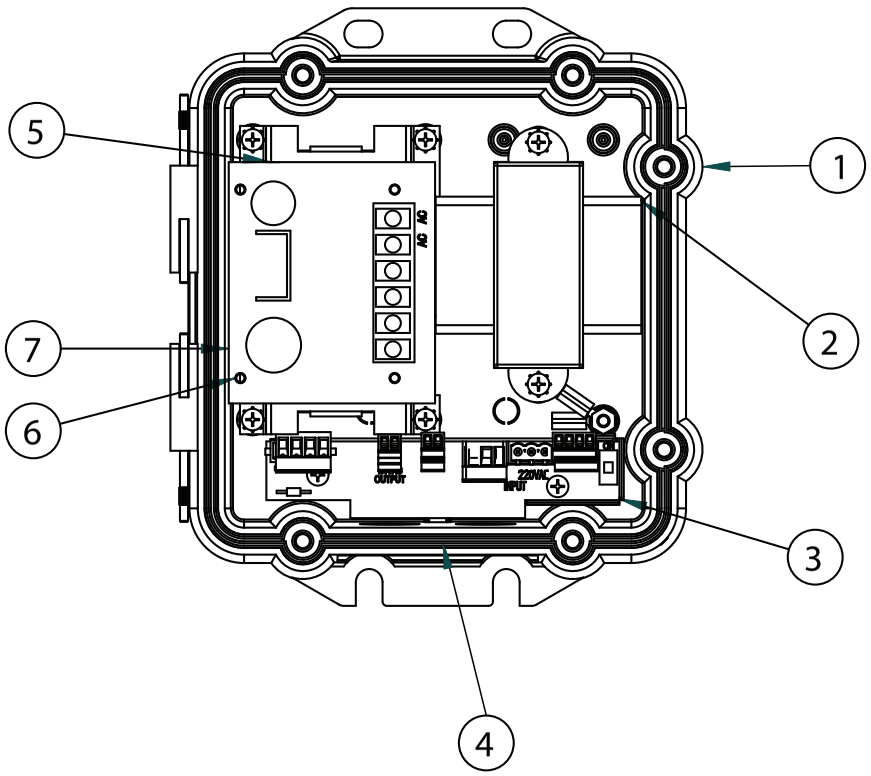
10 Power And Control Leads

RED	Camera Power 12VDC(+)
ORANGE	Camera Power 12VDC(-)
BLUE	Alarm 1
VILOET	Alarm 2
GRAY	Alarm 3
WHITE	Common

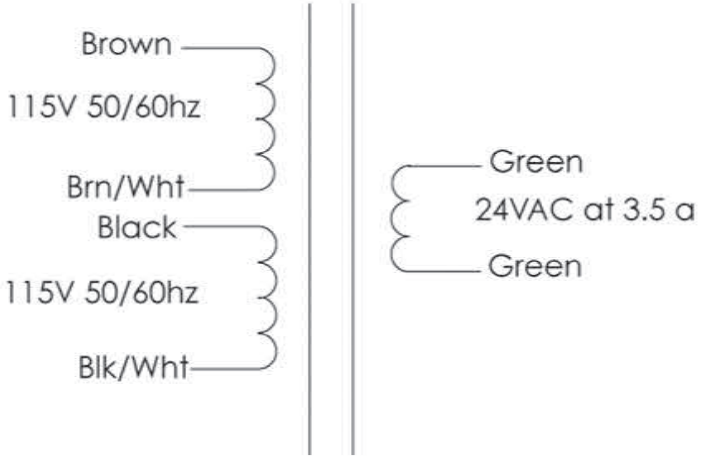
Connect wiring as shown to camera.

- Conecte el cableado según lo demostrado con la cámara fotográfica.
- Reliez le câblage comme montré à l'appareil-photo.
- Schließen Sie Verdrahtung an, wie gezeigt an Kamera.
- Conecte a fiação como mostrado à câmera.
- Colleghi i collegamenti come indicato alla macchina fotografica.

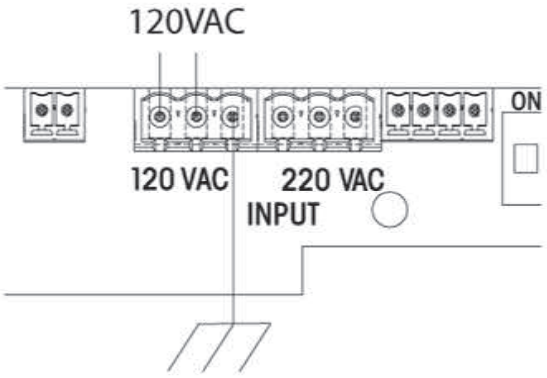
REPLACEMENT PARTS LIST

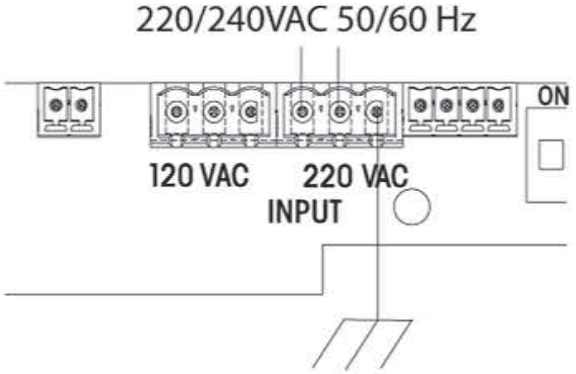


	Part Number	Description
1	RP4OHGPB1000	Main Box Assembly (including cover)
2	RP70TRAN11	Transformer
3	RP76PCBPB01	Connection PCB
4	RP96GK2680	Door Gasket
5	RP70TVLSMP3	Battery Charger Curcuit
6	RPVL3085	Battery Bracket
N/S	RP4OPKPBO1	Packet Assembly
7	RP70BAT1214	Replacement Battery
N/S	IPRS01	IP Reset

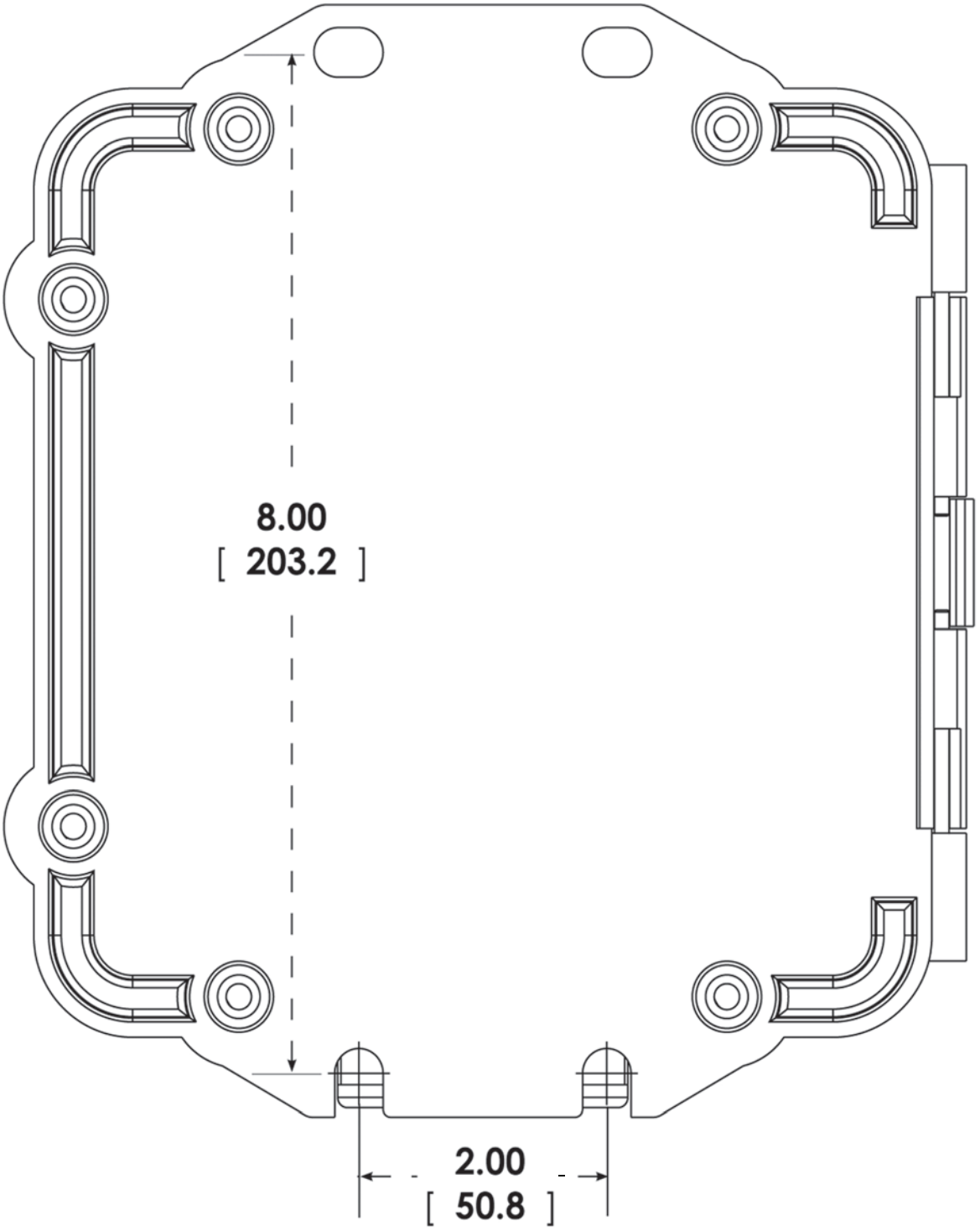


Transformer Wiring





MOUNTING TEMPLATE



Appendix A

MOOG

IP Reset

IP Camera Compatibility Chart

Products: IPRS01 / PB24RS / PB24BBRS

Notes:
1. If Intelligent Mode column is not checked, IP Reset should only be used in Timed Mode.
2. If more than one terminal strip number is listed for solid and striped wires, connect as follows: choose first numbers in each column or second numbers in each column.

AXIS	iPulse® Options				
Camera Model	Intelligent Mode	Power Connector	Striped Wire	Solid Wire	Power
Axis 205			N/A	N/A	5DC
Axis 206		3.5x1.3x11mm	N/A	N/A	5-5.5VDC
Axis 206M		3.5x1.3x11mm	N/A	N/A	5-5.5VDC
Axis 206W		3.5x1.3x11mm	N/A	N/A	5-5.5VDC
Axis 207	√	3.5x1.3x11mm	4	1	5.1VDC
Axis 207 W/MW	√	3.5x1.3x9mm	4	1	4.9-5.1VDC
Axis 209FD/FDR/MFD					
Axis 210/210A	√	3.5x1.3x9mm	4	1	7-20DC
Axis 211/211A	√	3.5x1.3x9mm	4	1	7-20 VDC + PoE
Axis 211W	√	3.5x1.3x9mm	4	1	7-20DC + PoE
Axis 212PTZ		3.5x1.3x9mm			4.9-5.1VDC
Axis 213PTZ		2x0.75x(+) center	C-Mod	C-Mod	11.5-14VDC
Axis 214PTZ	√	2x0.75x(+) center	4	2	11-13VDC
Axis 215PTZ	√		4	1	11.5-12.5VDC
Axis 216FD/V-216MFD/V	√		1	4	4.9-5.1VDC
Axis 221	√		1/2	10	7-24VDC, 10-24VAC, PoE
Axis 223					7-24VDC, 10-24VAC, PoE
Axis 225FD	√		1/2	10	9-24VDC, 10-24VAC, PoE
Axis 231D+/232D+					24-40 VDC, 19-28 VAC
Axis 233D+	√		2/4/6/8	1/3/5/7	22-40 VDC, 18-30 VAC
Axis 240Q					
Axis 241S/SA/Q/QA		3.5x1.3x9mm			
Axis 242SIV					
Axis 243SA					
Axis 2100					
Axis 2110					
Axis 2120					
Axis 2130					
Axis 2400					
Axis 2401					
Axis 2411					
Axis 2415					
Axis 2415Q					

Canon	iPulse® Options				
Camera Models	Intelligent Mode	Power Connector	Striped Wire	Solid Wire	Power
VB-C50iR*	√	EIAJ-04, 5.5x3.3x4mm	1B/2B/3B	1A/2A/3A	13VDC

Canon

Camera Models	iPulse® Options Intelligent Mode	Power Connector	Striped Wire	Solid Wire	Power
VB-C50FSI*	√	EIAJ-04	1B/2B/3B	1A/2A/3A	13VDC
VB-C300	√	Terminal Strip	A	B	12-13VDC or 24VAC, PoE

Requires a VB-EX50 connection module for I/Os

CellVision

Camera Models	iPulse® Options Intelligent Mode	Power Connector	Striped Wire	Solid Wire	Power
CAS200	√	5.5x2.1x4mm	5/7	6/8	5VDC
CAS390	√	5.5x2.1x4mm	5/7	6/8	5VDC
CAS790	√	5.5x2.1x4mm	5/7	6/8	5VDC
VIS2101	√		5/7	6/8	

D-Link

Camera Models	iPulse® Options Intelligent Mode	Power Connector	Striped Wire	Solid Wire	Power
DCS900					
DCS950/950G					
DCS1000	√	5.5x2.1x4mm	5/7	6/8	5VDC
DCS1100					
DCS2000/2100/2100G	√	5.5x2.1x4mm	4	3	12VDC
DCS3220/3220G	√	5.5x2.1x4mm	4	3	12VDC
DCS3420					
DCS5220/5330/5300G	√	5.5x2.1x4mm	4	3	12VDC
DCS6620/6220G	√	5.5x2.1x4mm	4	3	12VDC

Hawking Technology

Camera Models	iPulse® Options Intelligent Mode	Power Connector	Striped Wire	Solid Wire	Power
HNC200/200w	√	5.5x2.1x4mm	5 or 7	6 or 8	5VDC
HNC300/300W/320G	√	5.5x2.1x4mm	5 or 7	6 or 8	5VDC
HNHC700PT/720G	√	5.5x2.1x4mm	4	3	12VDC
NHC800G/800PTZ	√	5.5x2.1x4mm	4	3	12VDC

Ikegami

Camera Models	iPulse® Options Intelligent Mode	Power Connector	Striped Wire	Solid Wire	Power
IPDQ01	√	Terminal Strip	+	Ground	12VDC/24VAC

IQinvision	iPulse® Options				
IQeye Camera Models	Intelligent Mode	Power Connector	Striped Wire	Solid Wire	Power
IQ300					12-33VDC/12-26VAC
IQ700/750	√				12-24VDC/24VAC or PoE
IQ753	√		4	3	
IQVerify					PoE

JVC	iPulse® Options				
Camera Models	Intelligent Mode	Power Connector	Striped Wire	Solid Wire	Power
VNC10					
VNC20	√		1/2	Gnd Pin	24VAC or PoE
VNC30	√	+/- terminals	1/2	5	24VAC
VNC205U	√		1/2	5	
VNC215VP4U	√		1/2	5	
VNV25U	√	+/- terminals	1/2	Gnd Pin	24VAC or PoE
VNV26U	√	+/- terminals	1/2	Gnd Pin	24VAC or PoE
VNV686U	√	+/- terminals	5,7	6/8	24VAC
VNV686WPU	√	+/- terminals	5,7	6/8	24VAC

Panasonic	iPulse® Options				
Camera Model	Intelligent Mode	Power Connector	Striped Wire	Solid Wire	Power
BLC1A			N/A	N/A	
BLC10A			N/A	N/A	9VDC
BLC20A			N/A	N/A	
BLC30A			N/A	N/A	
BLC111A					
BLC3111A					
KXHCM8	√	5.5x2.1x4mm	4	1	
KXHCM110	√	5.5x2.1x4mm	3	G	
KXHCM230		EIAJ-04, 5.5x3.3x4mm			
KXHCM250	√	EIAJ-04, 5.5x3.3x4mm	4	1	
KXHCM270	√	EIAJ-04, 5.5x3.3x4mm	4	1	
KXHCM280	√	EIAJ-04, 5.5x3.3x4mm	4	1	
BBHCM311	√	EIAJ-04, 5.5x3.3x4mm	3	G	
BBHCM331A	√	EIAJ-04, 5.5x3.3x4mm	3	G	

Panasonic	iPulse® Options				
Camera Model	Intelligent Mode	Power Connector	Striped Wire	Solid Wire	Power
BBHCM371	√	EIAJ-04, 5.5x3.3x4mm	3	G	
BBHCM381	√	EIAJ-04, 5.5x3.3x4mm	3	G	AC
BBHCM515	√	EIAJ-04, 5.5x3.3x4mm			
BBHCE461	√	EIAJ-04, 5.5x3.3x4mm	3	G	PoE and
WVNF284					PoE
WVNM100					9VDC
WVNM1004					24 VAC
WVNP240					
WVNP244					12/24 AC/DC or PoE
WVNP472					12VDC
WVNS202					12VDC

PELCO	iPulse® Options				
Camera Model	Intelligent Mode	Power Connector	Striped Wire	Solid Wire	Power
Net350T	√	RJ11-inner Wires	Bottom 2nd from left	Top 2nd from left	12VDC/24VAC
Net350R					

SONY	iPulse® Options				
Camera Model	Intelligent Mode	Power Connector	Striped Wire	Solid Wire	Power
SNC-CS10	√	2 Pin Terminal	1	2	
SNC-CS11	√	2 Pin Terminal	1	2	
SNC-CS50	√	2 Pin Terminal	5/7	6/8	
SNC-M3/M3W		EIAJ-04, 5.5x3.3x4mm			
SNC-RZ20	√	2 Pin Terminal	4/6	3/5	
SNC-RZ25N	√	2 Pin Terminal	5/7	6/8	12/24 AC/DC
SNC-RZ30N	√	EIAJ-04, 5.5x3.3x4mm	6/10	7/9	12 VDC
SNC-RZ50N	√	EIAJ-04, 5.5x3.3x4mm	5/7	6/8	12 VDC
SNC-RX550N	√	2 Pin Terminal	5/7	6/8	12/24 AC/DC
SNC-Z20N	√	2 Pin Terminal	3/5	4/6	12/24 AC/DC or PoE
SNC-DF40N	√	2 Pin Terminal	3/5	4/6	12/24 AC/DC or PoE
SNC-DF50N/DF50P	√	2 Pin Terminal	3/5	4/6	12/24 AC/DC or PoE
SNC-DF70N	√	2 Pin Terminal	3/5	4/6	12/24 AC/DC or PoE

SONY	iPulse® Options				
Camera Model	Intelligent Mode	Power Connector	Striped Wire	Solid Wire	Power
SNC-DF80N/DF80P	√	2 Pin Terminal	3/5	4/6	
SNC-P1	√	EIAJ-04, 5.5x3.3x4mm	1	2	12VDC
SNC-P5	√	EIAJ-04, 5.5x3.3x4mm	1	2	12VDC
SNT-V704	√	EIAJ-04, 5.5x3.3x4mm	14/16/18/20	13/15/17/19	12VDC

For SNC-RZ50N SNC-RZ30N, and SNC-RX550N you will need to log into the camera from a browser, go to the "Trigger" Page and enable either "Alarm output 1" or "Alarm output2" depending on whether you connect ipulse to alarm1 output or alarm2 output. You then select either SNC-RZ50n-lo1, or SNCRZ50n-lo2 from the iPulse software.

TOSHIBA	iPulse® Options				
Camera Model	Intelligent Mode	Power Connector	Striped Wire	Solid Wire	Power
IK-WB01A					
IK-WB02A		2 Pin Terminal	N/A	N/A	12/24 AC DC or PoE
IK-WB011A					
IK-WB015A		EIAJ-04			12VDC or PoE
IK-WB021A		EIAJ-04			12VDC
IK-WR01A			N/A	N/A	
IK-WBx1A					
IK-wr01A					12/24 AC/DC or PoE

TRENDnet	iPulse® Options				
Camera Model	Intelligent Mode	Power Connector	Striped Wire	Solid Wire	Power
TVIP100	√	5.5x2.1x4mm	5/7	6/8	5VDC
TVIP200/200w	√	5.5x2.1x4mm	5/7	6/8	5VDC
TVIP201	√	5.5x2.1x4mm	5/7	6/8	5VDC
TVIP400	√	5.5x2.1x4mm	4	3	12VDC

VIVOTEK	iPulse® Options				
Camera Model	Intelligent Mode	Power Connector	Striped Wire	Solid Wire	Power
IP2111/IP2121					DC
IP2112/IP2122					DC
IP3111/IP3121	√	5.5x2.1x4mm	4	3	12VDC
IP3112/3122/3132	√	5.5x2.1x4mm	4	3	12VDC
IP3133	√	5.5x2.1x4mm	4	3	12VDC
IP3135			N/A	N/A	5VDC
IP3136/3137			N/A	N/A	5VDC

VIVOTEK	iPulse® Options				
Camera Model	Intelligent Mode	Power Connector	Striped Wire	Solid Wire	Power
IP6112/6122/6114/6124	√	5.5x2.1x4mm	2	1	12VDC
IP6117	√	5.5x2.1x4mm			DC
IP6127					
IP7131	√	5.5x2.1x4mm	1	4	12VDC
IP7132	√		1	4	DC
IP7135					5VDC
IP7137					DC
IP7138	√		1	4	
IP7151/7152	√	5.5x2.1x4mm	2	4	24VDC
PT3112	√	5.5x2.1x4mm	4	3	12VDC
PT3113	√	5.5x2.1x4mm	4	3	12VDC
PT3114/3124	√	5.5x2.1x4mm	4	3	12VDC
PT3117/3127	√	5.5x2.1x4mm	4	3	12VDC
PT3122/3123					
PT3124					
PT3125					
PT7135					12VDC
PT7137					DC
PZ6112/6114/6122/6124	√	5.5x2.1x4mm	4	3	12VDC
PZ7137					DC
FD6111/6121V	√		1	2	
FD6112/6122V	√		2	4	12VDC
FD7131	√		1	2	
SD6112V/6122V					DC
VS2100		5.5x2.1x4mm			12VDC
VS2102		5.5x2.1x4mm			
VS2402					DC
VS2403					
VS3100P	√	5.5x2.1x4mm	4	3	12VDC
VS3101		5.5x2.1x4mm			12VDC
VS3102	√	5.5x2.1x4mm	4	3	12VDC

United Digital Technologies, LLC	iPulse® Options				
Camera Model	Intelligent Mode	Power Connector	Striped Wire	Solid Wire	Power
IPXDDK1000					
IPXDDK3000	√	5.5x2.1x4mm	4	3	12VDC
IPXDDK7000					

United Digital Technologies, LLC	iPulse® Options				
Camera Model	Intelligent Mode	Power Connector	Striped Wire	Solid Wire	Power
4XEM IP Surveillance Solutions	iPulse® Options				
Camera Model	Intelligent Mode	Power Connector	Striped Wire	Solid Wire	Power
E104NP					DC
EVS100					DC
EVS400					DC
IPVS1	√	5.5x2.1x4mm	4	3	DC
IPVS100					DC
IPVS1A	√	5.5x2.1x4mm	4	3	DC
IPVS1E	√	5.5x2.1x4mm	4	3	DC
IPVS4					DC
W2100	√	5.5x2.1x4mm	2	1	12VDC
WL30			N/A	N/A	5VDC
W40/L40	√	5.5x2.1x4mm	4	3	12VDC
W50	√	5.5x2.1x4mm	4	3	12VDC
W60	√	5.5x2.1x4mm	4	3	12VDC
W70	√	5.5x2.1x4mm	4	3	12VDC
W80/L80/80z/80IR	√	5.5x2.1x4mm	1	1	12VDC
WLPTG	√	5.5x2.1x4mm	4	3	12VDC
WPT	√	5.5x2.1x4mm	4	3	12VDC
WPTZ/LPTZ	√	5.5x2.1x4mm	4	3	12VDC
WFD/FDV	√		2	4	DC

Notes:
1. If Intelligent Mode is not checked, IP Reset should only be used in Timed Mode.
2. If more than one terminal strip number is listed for solid and striped wires, connect as follows: choose first numbers in each column or second numbers in each column.